

How to connect to a Create robot via Bluetooth

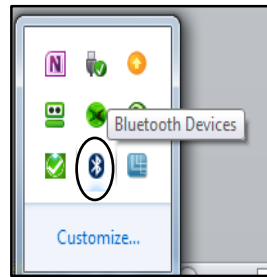
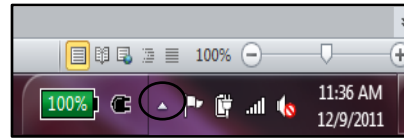
1. **Do you have a BlueTooth icon in the Notification area of your Taskbar?**



(See the pictures to the right as needed.)

If so, skip to the next step.

If not, ask your instructor for help.



2. **Turn on your robot, with its BAM attached.**

Note the last 4 characters of the ID taped to the BAM.

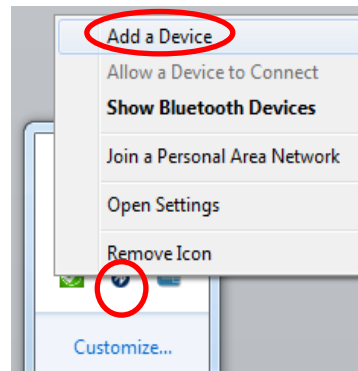


3. **Are you connecting to a BAM that you have previously connected to and stored on your computer?**

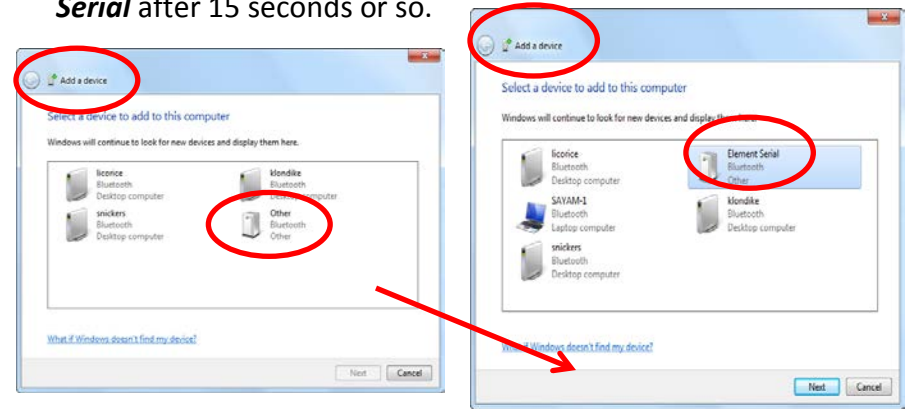
If so, skip to the Step 4 on the next page.

If not:

- a. Click on your BlueTooth icon and select **Add a Device**. This brings up the *Add a device* dialog shown below and to the right.



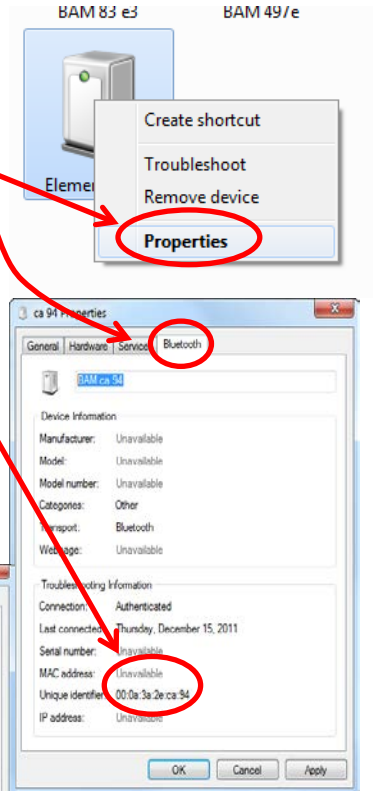
- b. An icon for the BAM will show up in the *Add a device* dialog. It may initially be labeled **Other** but will change to **Element Serial Serial** after 15 seconds or so.



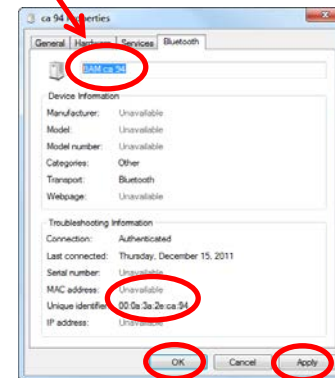
If there is more than one such icon, you have to find the right one by right-clicking on each such icon, then **Properties**, then **Bluetooth** tab, until you find the right one – the one whose **Unique Identifier** matches the number on your BAM.

Once you find the right icon, type the last 4 characters of its ID in the box at the top of the dialog box for the **device's name**.

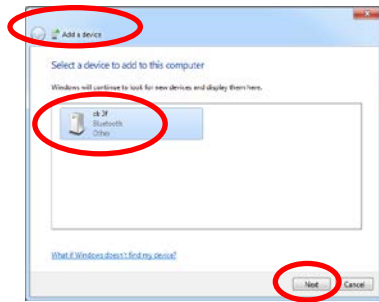
That way, you can find the device for that BAM easily the next time.



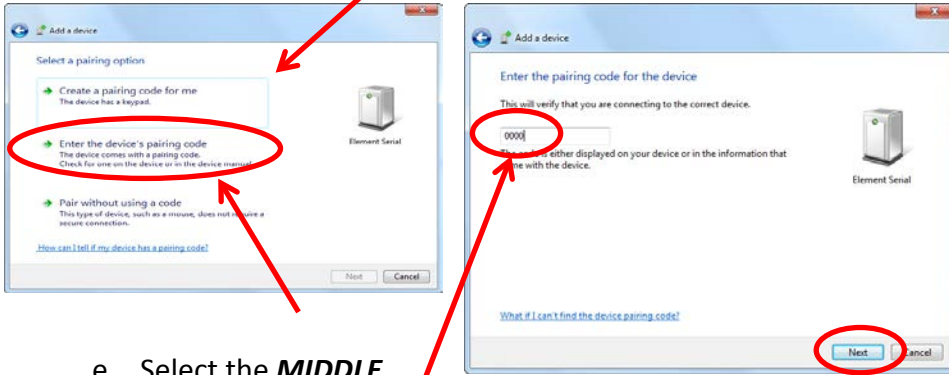
Select **Apply**, then **OK**.



c. Back in the Add a Device dialog, make sure that the icon that you just named is selected and press **Next**.



d. The dialog will say *Connecting to a Device* and then bring up the Dialog below.

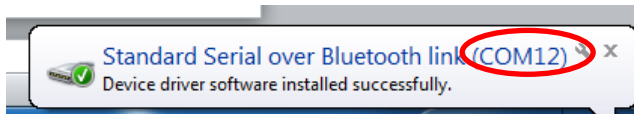


e. Select the **MIDDLE** option and enter **0000** in the dialog that results. Press **Next**.

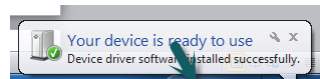
f. If all goes well, a driver is then installed.

If you don't see a message at this point about a driver being installed, the following steps will probably fail. In that case, get help as needed.

If you do see a message about a driver being installed, try to bring up the message to see the **COM port** listed (COM12 in the example to the right).



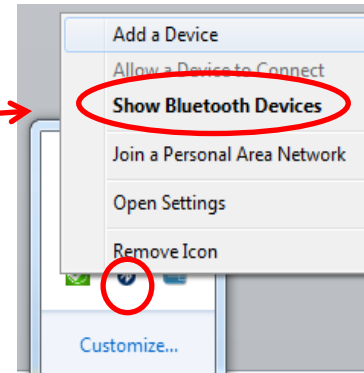
If you see a COM number, you are done – remember that number and use it as the port in your Python program. (If you see TWO numbers in a message, it is probably the *first* of the two.)



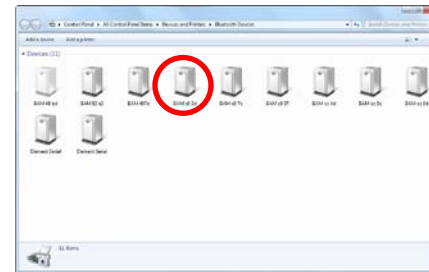
If the message goes past too quickly to see the COM number, continue to the next step to obtain the number.

4. **Find the COM port for your connection:**

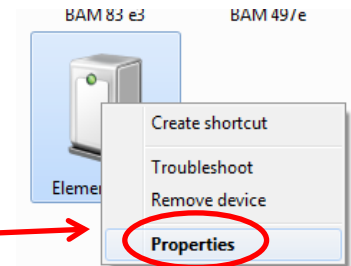
a. Click on your BlueTooth icon in your Notification Area and select **Show Bluetooth Devices**.



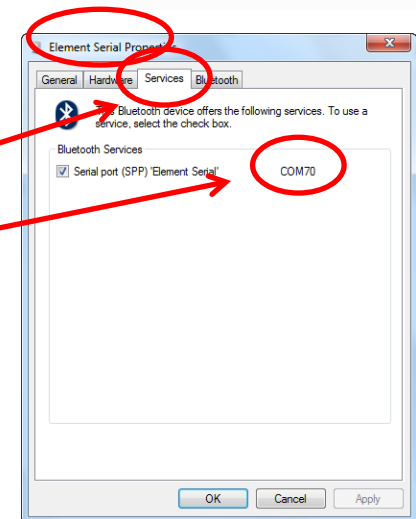
b. This brings up a window that looks like the one shown below. Find your device (your Element Serial / BAM)



c. Right-click on your device and select **Properties**.



d. This brings up the dialog shown to the right. Select the **Services** tab. After 15 second or so (sometimes longer), it should show you a COM port.



Remember that number and use it as the port in your Python program.